Micro Hi-Fi System

MC-**320**

Need help? Call us!

Philips representatives are ready to help you with any questions about your new product. We can guide you through Connections, First-time Setup, or any of the Features. We want you to start enjoying your new product right away!

STOP!

CALL US BEFORE YOU CONSIDER RETURNING THE PRODUCT!

1-800-531-0039

or

Visit us on the web at www.philips.com

IMPORTANT!
Return your Warranty Registration Card within 10 days
SEE WHY INSIDE

PHILIPS

Canada

English:

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

Français:

Cet appareil numérique n'emet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Class B prescrites dans le Règlement sur le Brouillage Radioélectrique édicté par le Ministère des Communications du Canada.

This warning label is located on the rearside and inside this laser product.

CAUTION: INVISIBLE LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.

DANGER: INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM.

VARO! AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINANAKYMATTOMAALLE LASERSATEILYLLE. ALA KATSO SATEESEEN.

VARNING! OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. OCH SPARREN AR URKOPPLAD. BETRAKTA EJ STRÅLEN.

or

DANGER - Invisible laser radiation when open. AVOID DIRECT EXPOSURE TO BEAM.
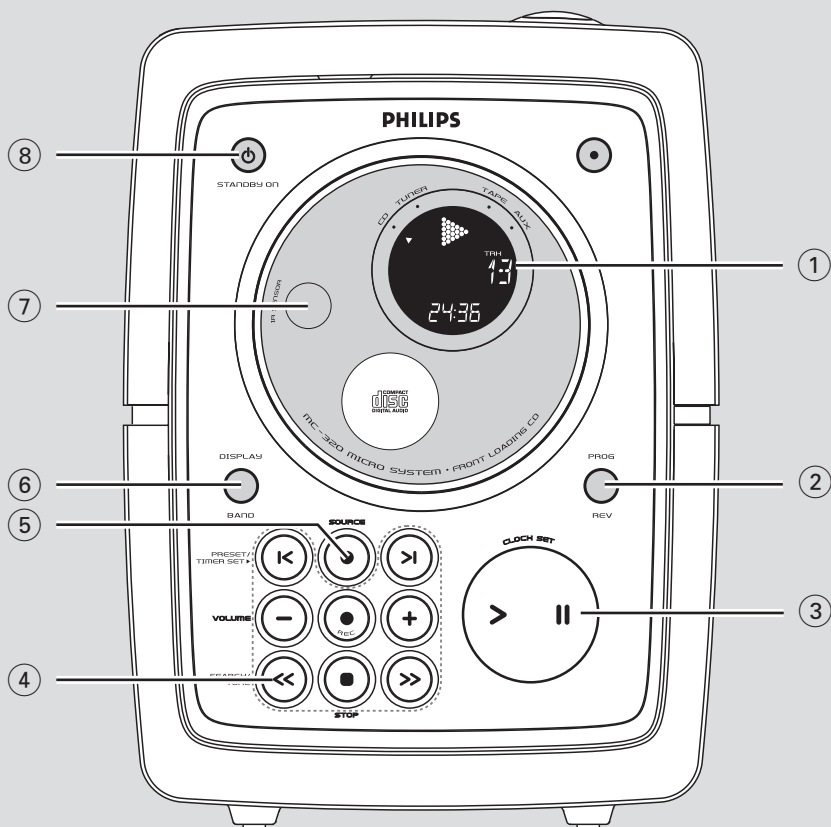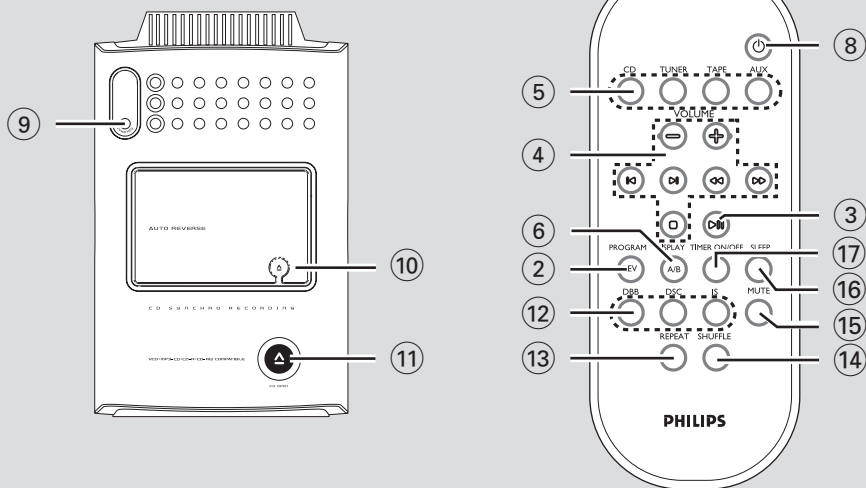

CAUTION

Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.

ATTENTION

L'utilisation des commandes ou réglages ou le non-respect des procédures ci-incluses peuvent se traduire par une exposition dangereuse à l'irradiation.

ATENCIÓN

El uso de mando o ajustes o la ejecucción de métodos que no sean los aquí descritos puede ocasionar peligro de exposición a radiación.

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Know these safety *symbols*

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

For Customer Use
Enter below the Serial No. which is located on the rear of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, and fully insert.

MAC5097

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PHILIPS

Hurry!
REGISTRATION NEEDED WITHIN 10 DAYS • PHILIPS

Congratulations on your purchase, and welcome to the "family!"

Dear Philips product owner:

Thank you for your confidence in Philips. You've selected one of the best-built, best-backed products available today. And we'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the Philips "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry.

What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

And most importantly you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome – and thanks for investing in a Philips product.

Sincerely,

Lawrence J. Blanford

Lawrence J. Blanford
President and Chief Executive Officer

P.S. Remember, to get the most from your Philips product, you must return your Warranty Registration Card within 10 days. So please mail it to us right now!

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IMPORTANT SAFETY INSTRUCTIONS

1. **Read these instructions.**

2. **Keep these instructions.**

3. **Heed all warnings.**

4. **Follow all instructions.**

5. **Do not use this apparatus near water.**

6. **Clean only with dry cloth.**

7. **Do not block any ventilation openings. Install in accordance with the manufacturer´s instructions.**

8. **Do not install near any heat sources** such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9. **Do not defeat the safety purpose** of the polarized or grounding-type plug.

   AC Polarized Plug

   A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. **Protect the power cord** from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11. **Only use attachments/accessories** specified by the manufacturer.
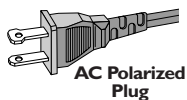
12. **Use only with the cart,** stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. **Unplug this apparatus** during lightning storms or when unused for long periods of time.

14. **Refer all servicing** to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15. **Battery usage CAUTION** – To prevent battery leakage which may result in bodily injury, property damage, or damage to the unit:

● Install **all** batteries correctly, **+** and **-** as marked on the unit.

● Do not mix batteries (**old** and **new** or **carbon** and **alkaline**, etc.).

● Remove batteries when the unit is not used for a long time.

EL 6475-E004: 02/8

Class II equipment symbol ⊡
This symbol indicates that the unit has a double insulation system

English

Français

Español

Contents

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Environmental Information

All unnecessary packaging has been omitted. We have tried to make the packaging easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet).

Your system consists of materials which can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

Supplied accessories

– 2 speaker boxes
– remote control (with battery)
– AM loop antenna
– FM wire antenna

Safety Information

● Before operating the system, check that the operating voltage indicated on the typeplate (or the voltage indication beside the voltage selector) of your system is identical with the voltage of your local power supply. If not, please consult your dealer.

● Place the system on a flat, hard and stable surface.

● Place the system in a location with adequate ventilation to prevent internal heat build-up in your system. Allow at least 10 cm (4 inches) clearance from the rear and the top of the unit and 5 cm (2 inches) from each side.

● Do not expose the system, batteries or discs to excessive moisture, rain, sand or heat sources caused by heating equipment or direct sunlight.

● If the system is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens of the disc unit inside the system. Should this occur, the CD player would not operate normally. Leave the power on for about one hour with no disc in the system until normal playback is possible.

● The mechanical parts of the set contain self-lubricating bearings and must not be oiled or lubricated.

● **When the system is switched to Standby mode, it is still consuming some power. To disconnect the system from the power supply completely, remove the AC power plug from the wall socket.**

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Preparations

FM wire antenna

AM loop antenna

speaker (right)

speaker (left)

FM aerial 300Ω

AM ANTENNA

B

SPEAKER

C

A
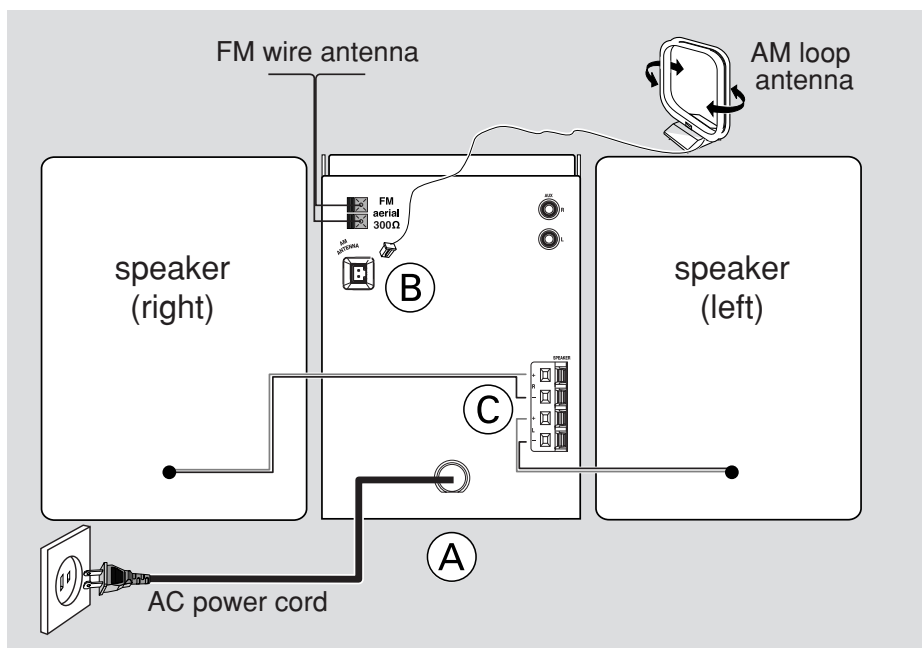
AC power cord

Rear connections

The type plate is located at the rear of the system.

Ⓐ **Power**
Before connecting the AC power cord to the wall outlet, ensure that all other connections have been made.

WARNING!
– For optimal performance, use only the original power cable.
– Never make or change any connections with the power switched on.

To avoid overheating of the system, a safety circuit has been built in. Therefore, your system may switch to Standby mode automatically under extreme conditions. If this happens, let the system cool down before reusing it (not available for all versions)*.*

Ⓑ **Antennas Connection**
Connect the supplied AM loop antenna and FM antenna to the respective terminals. Adjust the position of the antenna for optimal reception.

AM Antenna

① ②

Fix the claw to the slot
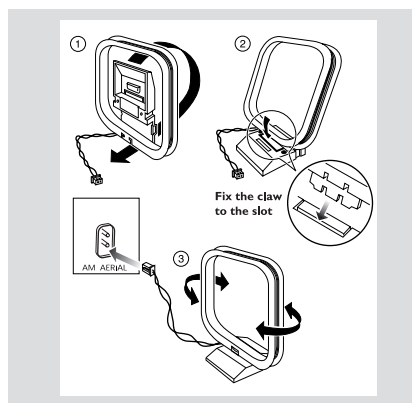
AM AERIAL ③

● Position the antenna as far as possible from a TV, VCR or other radiation source.

10
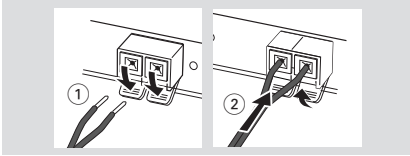
FM Antenna

● For better FM stereo reception, connect an outdoor FM antenna to the FM AERIAL (FM ANTENNA) terminal.

Ⓒ **Speakers Connection**

Front Speakers

Connect the speaker wires to the SPEAKERS terminals, right speaker to "**RIGHT**" and left speaker to "**LEFT**", colored (marked) wire to "**＋**" and black (unmarked) wire to "**－**".

● Fully insert the stripped portion of the speaker wire into the terminal as shown.

Notes:
– For optimal sound performance, use the supplied speakers.
– Do not connect more than one speaker to any one pair of ＋/ － speaker terminals.
– Do not connect speakers with an impedance lower than the speakers supplied. Please refer to the SPECIFICATIONS section of this manual.

Optional connection

The optional equipment and connecting cords are not supplied. Refer to the operating instructions of the connected equipment for details.
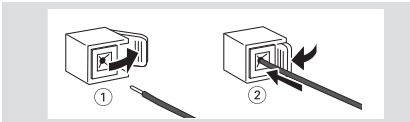
Connecting other equipment to your system

Connect the audio left and right OUT terminals of a TV, VCR, Laser Disc player, DVD player or CD Recorder to the **AUX** terminals.

Note:
– If you are connecting equipment with a mono output (a single audio out terminal), connect it to the AUX left terminal. Alternatively, you can use a "single to double" cinch cable (the output sound still remain mono).

Before using the remote control

1 Pull out the plastic protective sheet.
2 Select the source you wish to control by pressing one of the source select keys on the remote control (for example CD, TUNER).
3 Then select the desired function (for example **＞ II**, **I＜**, **＞I**).

plastic protective sheet
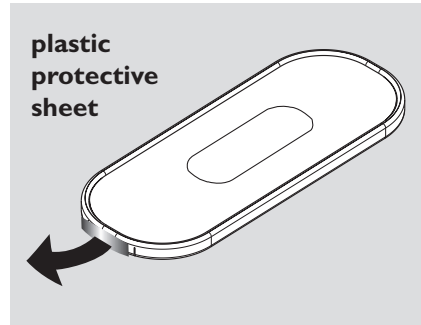
Replacing battery (lithium CR2025) into the remote control

1 Pull out the knob Ⓐ slightly to the left.
2 Pull out the battery compartment Ⓑ .
3 Replace a new battery and fully insert the battery compartment back to the original position.
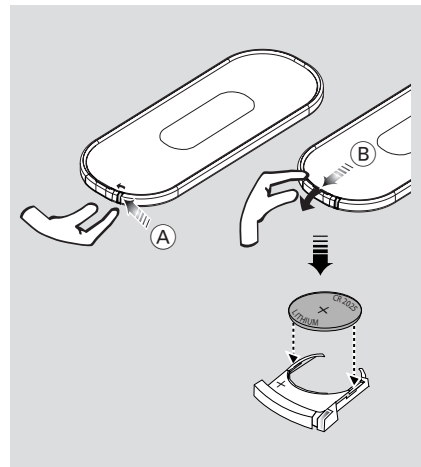
CAUTION!
Batteries contain chemical substances, so they should be disposed off properly.

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Controls *(illustrations on page 3)*

Controls on the system and remote control

1 **Display**
– shows the status of the system.

2 **PROG/ REV**
for CD .... programmes tracks and reviews the programme.
for TUNER .... programmes tuner stations manually or automatically.
for TAPE .... sets tape reverse mode.

3 **CLOCK SET / > II**
for CLOCK .... set the clock function.
for CD .... starts or interrupts CD playback
for TAPE .... starts the tape playback

4 **Mode Selection**
VOLUME (− / +)
– adjusts the volume level.
– *on the system only* - adjusts the hour and minutes for the clock/timer functions.
PRESET/ TIMER SET I< / >I
for TUNER .... selects a preset radio station.
for CD .... skips to the beginning of a current track/previous/ subsequent track
for Timer .... **I<** only to set timer under standby
SEARCH/ TUNE << / >>
for TUNER .... Tune to a station
for CD .... fast searches back and forward within a track/CD.
for TAPE .... fast rewind/ wind tape
STOP ■
.... stops CD playback or erase a CD programme.
.... stops tape playback/recording.
REC ● .... starts recording.

5 **SOURCE ●**
– selects the respective sound source for CD/ TUNER/ TAPE /AUX.
– switches on the system.

6 **DISPLAY•BAND** (on the remote control DISPLAY A/B)
for TUNER .... change the tuner radio band.(FM/ AM)
for CD .... change the CD display mode
for TAPE .... switches tape direction

7 **iR SENSOR**
– infrared sensor for remote control.

8 **STANDBY ON**⏻
– switches the system to standby.

9 **PHONES** - connects to headphone.

10 **⏏** - open/ close the cassette door.

11 **CD OPEN ⏏**
– open the CD door.

12 **INTERACTIVE SOUND controls:**
DBB .... (Dynamic Bass Boost) enhances the bass.
DSC .... (Digital Sound Control) selects sound characteristics: CLASSIC/ JAZZ/ ROCK/ OPTIMAL.
INCREDIBLE SURR.
(IS) .... creates a super-enhanced stereo effect.

13 **REPEAT**
– repeats a track/ CD programme/ entire CD.

14 **SHUFFLE**
– plays CD tracks in random order.

15 **MUTE**
– interrupts and resumes sound reproduction.

16 **SLEEP**
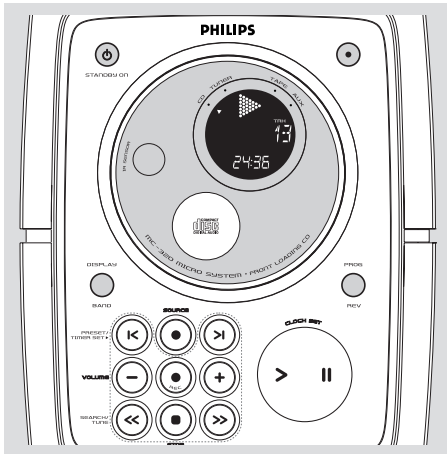– activates/deactivates or selects the sleeper time.

17 **TIMER ON•OFF**
– activates/deactivates the timer function.

Notes for remote control:
– First select the source you wish to control by pressing one of the source select keys on the remote control (for example CD, TUNER).
– Then select the desired function (for example > II , I< , >I).

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MC-320/37-1

IMPORTANT!
Before you operate the system, complete the preparation procedures.

Switching the system on

● Press ⏻ **STANDBY ON**.
➜ The system will switch to the last selected source.
● Press **CD**, **TUNER**, **TAPE** or **AUX** on the remote control.
➜ The system will switch to the selected source.

To switch the system to standby mode
● Press ⏻ **STANDBY ON**.
● If in recording mode, press **STOP** ■ first.
➜ The volume level(up to a maximum volume level of 20), interactive sound settings, last selected source and tuner presets will be retained in the player's memory.

Power-saving automatic standby

As a power-saving feature, the system automatically switches to standby 15 minutes after a tape or CD has reached the end and no control is operated.

Adjusting volume and sound

1 Press **VOLUME** −/+ to decrease to increase volume on the system.
➜ Display shows the volume level VOL and a number from MIN1, 2, ...38, 39 MAX.

2 Press **DSC** repeatedly to select the desired sound effect: **CLASSIC/ JAZZ/ ROCK/ OPTIMAL**.

3 Press **DBB** to switch bass enhancement on or off.
➜ Display shows: DBB ON or DBB OFF.

4 Press **IS** on the remote control to switch the surround sound effect on or off.
➜ Display shows: **IS ON** or **IS OFF**.

Note:
– The effect of INCREDIBLE SURROUND may vary with different types of music.

5 Press **MUTE** on the remote control to interrupt sound reproduction instantly.
➜ Playback will continue without sound and the display shows $MUTE$.
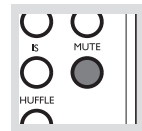
● To activate sound reproduction you can:
  – press **MUTE** again;
  – adjust the volume controls;
  – change source.

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CD Operation
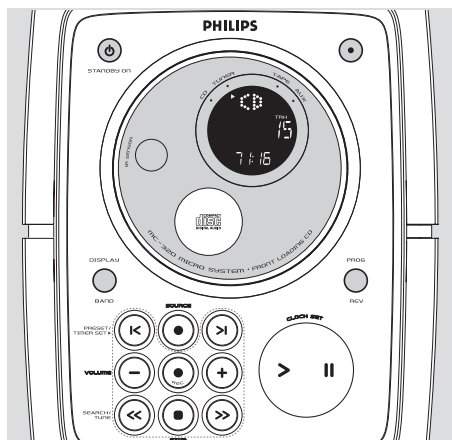
IMPORTANT!
The lens of the CD player should never be touched.
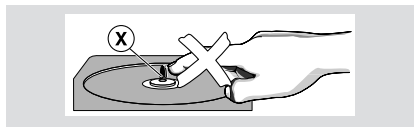
Playing a disc

● CD-ROM, CD-I, CDV, VCD, MP3, DVD or computer CDs, however, are not possible.
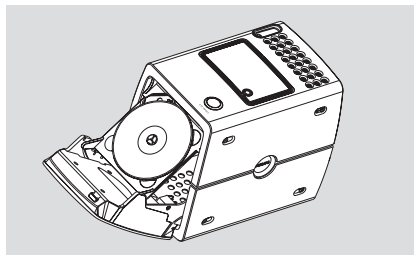
1 Select **CD** source.

2 Press **CD OPEN** on the top of the system to open the CD compartment.
➜ *CD OPEN* is displayed when you open the CD compartment.

3 Put a disc with the printed side facing up and press down. Push the front panel to close.
➜ *READING* is flashing as the CD player scans the contents of a disc, and then the total number of tracks and playing time are shown.

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4 Press **> II** to start playback.
➜ Current track number and elapsed playing time of the track are displayed during disc playback.

5 To interrupt playback press **> II** . Press **> II** again to resume play.

6 To stop disc playback, press **STOP ■**.

Note: CD play will also stop when;
– the CD door is opened.
– the disc has reached the end.
– you select another source: TAPE, TUNER or AUX.

Displaying CD play time
Normal CD playback mode
● Press DISPALY repeatedly, the following information will be displayed consecutively.
– Track nmber and elapsed play time of current track
– Track number and remaing play time of currect track
– Track number and total elapsed play time of the disc
– Total remaining number of tracks and totla remaining time.

CD SHUFFLE and REPEAT playmoe mode
● Press DISPLAY repeatedly, following information will be displayed consecutively.
– Track number and elapsed play time of curent track
– Track number and remaing play time of currect track

CD PROGRAM playback mode
● Press DISPLAY repeatedly, following informatoin will be displayed consecutively
– Track number and elapsed play time of current track
– Track number and remaing play time of currect track
– Current program number and track number

Selecting a different track

● Press I< or >I once or repeatedly until the desired track number appears in the display.
● If you have selected a track number shortly after loading a disc or in the PAUSE position, you will need to press > II to start playback.

Finding a passage within a track

1 Press and hold down on << or >>
➜ The disc is played at high speed and low volume.

2 When you recognise the passage you want, release << or >>.
➜ Normal playback continues.

Note:
– During a disc programme or if SHUFFLE/ REPEAT active, searching is only possible within the same track.

Different play modes: SHUFFLE and REPEAT

You can select and change the various play modes before or during playback. The play modes can also be combined with PROGRAM.

SHUFFLE .... tracks of the entire disc are played in random order
SHUFFLE and REPEAT ALL…to repeat the entire disc continuously in random order
REPEAT ALL ... repeats the entire disc/ program
REPEAT .... plays the current track continuously

1 To select your play mode, press the **SHUFFLE** or **REPEAT** on the remote control before or during playback until the display shows the desired function. (SHUF, REPEAT, REPEAT ALL)

2 Press > II to start playback if in the STOP position.
➜ If you have selected SHUFFLE, playback starts automatically.

3 To return to normal playback, press the respective **SHUFFLE** or **REPEAT** button until the various SHUFFLE / REPEAT modes are no longer displayed.

● You can also press **STOP** ■ to cancel your play mode.

Programming track numbers

Program in the STOP position to select and store your disc tracks in the desired sequence. If you like, store any track more than once. Up to 40 tracks can be stored in the memory.

1 Press **PROG / REV** (or PROGRAM / REV on remote control) to enter the programming mode.
➜ A track number is shown and PROGRAM flashes.

2 Use the I< or >I to select your desired track number.

3 Press **PROG / REV** (or PROGRAM / REV on remote control) to confirm the track number to be stored.
➜ The number of tracks programmed is shown.

4 Repeat steps **2-3** to select and store all desired tracks.
➜ MEMORY FULL is displayed if you attempt to program more than 40 tracks.

5 To start playback of your disc program, press **STOP** ■ followed by > II or press > II direclly.
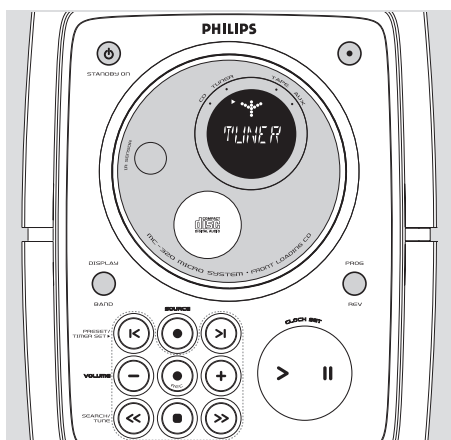
Reviewing the program

In **STOP** mode, press and hold **PROG / REV**. Until the display shows all your stored track number in sequence.

Erasing the program

You can erase the program by:

● pressing **STOP** ■ twice during playback;
● opening the CD compartment;
➜ PROGRAM disappears from the display.

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Radio Reception

Tuning to radio stations

1 Select **TUNER** source.
➜ *TUNER* is displayed briefly.

2 Press **BAND** (or DISPLAY on remote control) once or more to select your waveband(FM/AM).

3 Press down **TUNE <<** or **>>** and release button.
➜ The radio automatically tunes to a station with sufficient reception. Display indication during automatic tuning: *SEARCH*.
➜ If a FM station is received in stereo, ∞ is shown.

4 Repeat step **3** if necessary until you find the desired station.

● To tune to a weak station, press **TUNE <<** or **>>** briefly and repeatedly until you have found optimal reception.

Programming radio stations
You can store up to a total of 40 radio stations in the memory.

Automatic programming
Automatic programming will start with a chosen preset number. From this preset number upwards, former programmed radio stations will be overridden. The system will only program stations which are not in the memory already.

1 Press **PRESET I<** or **>I** to select the preset number where programming should start.

Note:
– If no preset number is selected, default is preset (1) and all your presets will be overridden.

2 Press **PROG** (PROGRAM on remote control) for more than 2 seconds to activate programming.
➜ *AUTO* is displayed and available stations are programmed in order of waveband reception strength: FM followed by AM The last preset automatically stored will then be played.

Manual programming
1 Tune to your desired station (see "Tuning to radio stations").

2 Press **PROG** (PROGRAM on remote control) to activate programming.

3 Press **PRESET I<** or **>I** to allocate a number from 1 to 40 to this station.

4 Press **PROG** (PROGRAM on remote control) again to confirm the setting.
➜ The preset number and the frequency of the preset station are shown.

5 Repeat the above four steps to store other stations.

● You can override a preset station by storing another frequency in its place.

Tuning to preset radio stations
● Press **PRESET I<** or **>I** until the desired preset station is displayed.

Tape playback
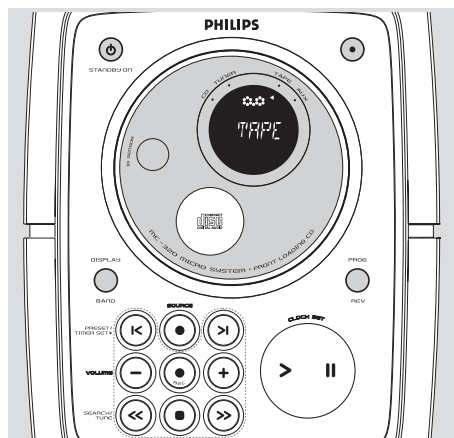
1 Select **TAPE** source.

2 Press ∆ to open the tape door on the top of the system.

3 Insert a recorded tape and close the tape door.

● Load the tape with the open side downward and the full spool to the right.
➜ The display shows *TAPE* briefly. The tape counter *0000* display with the **SIDE A** or **SIDE B**.

4 Press **> II** to start playback.

5 By pressing **<<** or **>>**, fast winding of tape is possible in both directions.

● During fast winding, you can monitor the tape message with the tape counter.

6 To stop the tape, press **STOP ■** .

● To reset the tape counter, press **STOP ■** again.

Note:
– The sound source cannot be changed while recording a tape.
– "NO TAPE" will be shown if no tape inserted.

Switching tape sides

The tape side can be switched manually or automatically before or during tape playback.

● Press **DISPLAY BAND** or **A/B** on remote control.
➜ The display shows **SIDE A** or **SIDE B**.

Reverse mode options

● Press **PROG / REV** repeatedly to select your option;
PLAY 1 SIDE   : playback or record stops at the end of the tape.
PLAY A AND B   : both sides are or recorded played once.
REPEAT A AND B : both sides are played repeatedly, up to 5 times each side.

General information on recording

● Recording is permissible insofar as copyright or other rights of third parties are not infringed.

● For recording, use only NORMAL (IEC type I) tapes on which the tabs have not yet been broken. This deck is not suited for recording on METAL (IEC IV) type tapes.

● The best recording level is set automatically. Altering the VOLUME, INCREDIBLE SURROUND, DBB or INTERACTIVE SOUND controls will not affect the recording in progress.

● At the very beginning and end of the tape, no recording will take place during the 7 seconds when the leader tape passes the recorder heads.

● To protect a tape from accidental erasure, have the tape in front of you and break out the left tab. Recording on this side is no longer possible. If, however, you wish to record over this side again, cover the tabs with a piece of adhesive tape.

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Tape Operation / Recording

Synchro start CD recording

1 Select **CD** source.

2 Insert a disc and if desired, program track numbers.

3 Press ⏏ to open the tape door.

4 Insert a suitable tape into the deck and close the tape door.

5 Press **REC** to start recording.
➜ **REC** is shown during recording.
➜ Playing of the CD program starts automatically from the beginning of the CD after 7 seconds. It is not necessary to start the CD player separately.

6 To stop recording, press **STOP** ■.

Recording from the radio

1 Select TUNER source and tune to the desired radio station (see "Tuning to radio stations").

2 Press ⏏ to open the tape door.

3 Insert a suitable tape into the deck and close the tape door.

4 Press **REC** to start recording.
➜ **REC** is shown during recording.

5 To stop recording, press **STOP** ■.

Recording from Aux

1 Select **AUX** source.

2 If necessary, prepare the additional appliance for recording.

3 Press **REC** to start recording.
➜ **REC** is shown during recording.

4 To stop recording, press **STOP** ■.

Recording timer

To record from the radio, you will need to use a preset radio station and to set a start (ON) and finish (OFF) time.

1 Insert a suitable tape into the deck.
➜ If desired, press **REV** to select tape reverse mode option.
PLAY 1 SIDE   : for recording one side only
PLAY A AND B   : for recording on both sides
REPEAT A AND B : for recording on both sides

2 Select **TUNER SOURCE** and the preset radio station to record from.

3 Press **STANDBY ON** to switch the system to standby mode. Press **TIMER SET / I<** for more than 2 seconds.
➜ 🕐 flashes and a source is displayed.

4 Press **SOURCE** repeatedly, until REC TUN source is displayed.

5 Press **TIMER SET / I<** to confirm the source.
➜ SET ON TIME is displayed, 🕐 and the clock digits for the hours flash.

6 Press **VOLUME** –/+ to set the hours.

7 Press **TIMER SET / I<** again.
➜ The clock digits for the minutes flash.

8 Press **VOLUME** –/+ to set the minutes.

9 Press **TIMER SET / I<** to confirm the ON start time.
➜ SET OFF TIME is displayed, 🕐 and the clock digits for the hours flash.

10 Repeat steps **6-8** to set the finish time.

11 Press **TIMER SET / I<** to confirm the timer settings.
➜ 🕐 is shown and the recording timer is now set.

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Clock/Timer
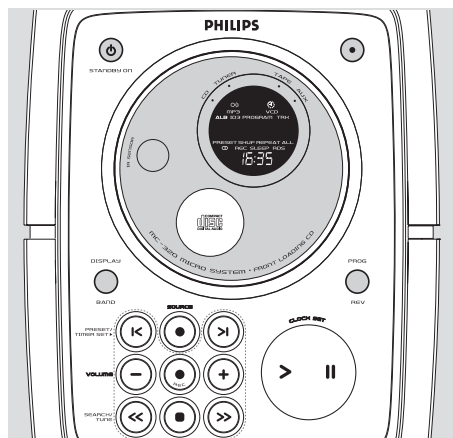
Setting the clock

1 In standby, press and hold **CLOCK SET / > II** .
➜ The clock digits for the hours flash.

2 Press **VOLUME** –/+ to set the hours.

3 Press **CLOCK SET / > II** again.
➜ The clock digits for the minutes flash.

4 Press **VOLUME** –/+ to set the minutes.

5 Press **CLOCK SET / > II** to confirm the time.

Note:
– The clock will only be displayed without backlight in standby.

Setting the timer

● The system can be used as an alarm clock, whereby the CD, TUNER or TAPE is switched on at a set time. The clock time needs to be set first before the timer can be used.

● You can also use it to record a favourite tuner programme at a set period (see "Recording timer")

● During setting, if no button is pressed within 90 seconds, the system will exit timer setting mode automatically.

1 In standby mode, press **TIMER SET / I<** on the system for more than 2 seconds.

2 Press **SOURCE** to select sound source.
➜ Display sequence shows CD, TUNER, TAPE or REC TUN.

3 Press **TIMER SET / I<** to confirm your desired mode.
➜ Display sequence scrolls SET ON TIME and ⊙ flashes. The clock digits for the hours flash.

4 Press **VOLUME** –/+ to set the hours.

5 Press **TIMER SET / I<** again.
➜ The clock digits for the minutes flash.

6 Press **VOLUME** –/+ to set the minutes.

7 Press **TIMER SET / I<** to confirm the time.
➜ The timer is now set and activated.

Activating and deactivating TIMER

● In standby or during playback, press **TIMER ON / OFF** on the remote control once.
➜ Display shows ⊙ if activated, and disappears if deactivated.

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Clock/Timer

Activating and deactivating SLEEP

The sleep timer enables the system to switch off by itself after a set period of time.

● Press **SLEEP** on the remote control once or more.
➜ Display shows SLEEP and one of the sleep time options in sequence: 90, 80, 70, 60,..., 20, 10, OFF, 90. if you have selected a time. Once SLEEP is activated, SLEEP is display.
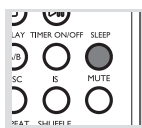
● To deactivate, press **SLEEP** on the remote control once or more until OFF is shown, or press **STANDBY ON** on the system or remote control.
➜ OFF is displayed.

Specifications

AMPLIFIER
Output power .... 40 W total power
.... 2 × 20 W RMS(1) / 2 × 18W FTC(1)
Signal-to-noise ratio .... ≥ 62 dBA
Frequency response .... 63 – 16000 Hz, ± 3 dB
Input sensitivity AUX .... 0.5 V (max. 2 V)
Impedance loudspeakers .... 6 Ω
Impedance headphones .... 32 Ω -1000 Ω
.... <0.5W
(1) (6 Ω, 60 Hz – 12.5 kHz, 10% THD)

CD PLAYER
Frequency range .... 30 – 16000 Hz
Signal-to-noise ratio .... 75 dBA

TUNER
FM wave range .... 87.5 – 108 MHz
AM wave range .... 530 – 1700 kHz
Sensitivity at 300 Ω
– mono, 26 dB signal-to-noise ratio .... 2.8 μV
– stereo, 46 dB signal-to-noise ratio .... 61.4 μV
Selectivity .... ≥ 28 dB
Total harmonic distortion .... ≤ 5%
Frequency response ..... 63 – 12500 Hz (± 3 dB)
Signal-to-noise-ratio .... ≥ 50 dBA

TAPE DECK
Frequency response
   Normal tape (type I) ...... 80 – 12500 Hz (8 dB)
Signal-to-noise ratio
   Normal tape (type I) ....   50 dBA
Wow and flutter .... ≤ 0.4% DIN

SPEAKERS
Bass reflex system
Dimensions (w × h × d) . 166 × 225 × 244 (mm)
.... 6.5 × 8.8 × 9.6(inch)

GENERAL INFORMATION
AC Power .... 120V / 60 Hz
Dimensions (w × h × d) ... 166 × 225 × 274(mm)
.... 6.5 × 8.8 × 10.8(inch)
Weight(with/without speakers) .... 8.4 / 4.3 kg
.... 18.5 / 9.5 pounds
Standby power consumption .... <6W

Subject to modification

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Cleaning the Cabinet
● Use a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasives.

Cleaning Discs
● When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the centre out.
● Do not use solvents such as benzene, thinner, commercially available cleaners, or antistatic spray intended for analogue records.
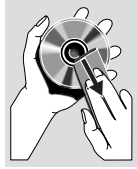
Cleaning the disc lens
● After prolonged use, dirt or dust may accumulate at the disc lens. To ensure good playback quality, clean the disc lens with Philips CD Lens Cleaner or any commercially available cleaner. Follow the instructions supplied with cleaner.

Cleaning the Heads and the Tape Paths
● To ensure good recording and playback quality, clean the heads Ⓐ, the capstan(s) Ⓑ, and pressure roller(s) Ⓒ after every 50 hours of tape operation.
Caution: Do not rotate the heads during cleaning.
● Use a cotton swab slightly moistened with cleaning fluid or alcohol.
● You can also clean the heads by playing a cleaning tape once.
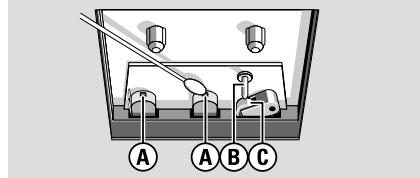
Demagnetising the heads
● Use a demagnetising tape available at your dealer.

Troubleshooting

WARNING
Under no circumstances should you try to repair the system yourself, as this will invalidate the warranty. Do not open the system as there is a risk of electric shock.

If a fault occurs, first check the points listed below before taking the system for repair. If you are unable to remedy a problem by following these hints, consult your dealer or service center.

Problem   Solution

CD OPERATION

"NO DISC" **is displayed.**	– Insert a disc.
	– Check if the disc is inserted upside down.
	– Wait until the moisture condensation at the lens has cleared.
	– Replace or clean the disc, see "Maintenance".
	– Use a finalised CD-RW or CD-R.

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Troubleshooting

RADIO RECEPTION

Radio reception is poor.	– If the signal is too weak, adjust the antenna or connect an external antenna for better reception. – Increase the distance between the Micro HiFi System and your TV or VCR.

TAPE OPERATION / RECORDING

Recording or playback cannot be made.	– Clean deck parts, see "Maintenance". – Use only normal (IEC I) tape for recording.
"CHECK TAPE" is displayed.	– Apply a piece of adhesive tape over the missing tab space.
The tape deck door cannot open.	– Remove and reconnect the AC power plug and switch on the system again.

GENERAL

The system does not react when buttons are pressed.	– Remove and reconnect the AC power plug and switch on the system again.
Sound cannot be heard or is of poor quality.	– Adjust the volume. – Disconnect the headphones. – Check that the speakers are connected correctly. – Check if the stripped speaker wire is clamped.
The left and right sound outputs are reversed.	– Check the speaker connections and location.
The remote control does not function properly.	– Select the source (CD or TUNER, for example) before pressing the function button (▶ ॥, ।◀, ▶।). – Reduce the distance between the remote control and the system. – Insert the battery with its polarities (+/– signs) aligned as indicated. – Replace the battery. – Point the remote control directly toward IR sensor on the front of the system.
The timer is not working.	– Set the clock correctly. – Press TIMER ON•OFF to switch on the timer. – If a recording is in progress, stop the recording.
The Clock/Timer setting is erased.	– Power has been interrupted or the power cord has been disconnected. Reset the clock/timer.

MC-320/37-1

LIMITED WARRANTY

AUDIO SYSTEM

One Year Free Labor
One Year Free Service on Parts
This product must be carried in for repair.

WHO IS COVERED?

You must have proof of purchase to receive warranty service. A sales receipt or other document showing that you purchased the product is considered proof of purchase.

WHAT IS COVERED?

Warranty coverage begins the day you buy your product. For one year thereafter, all parts will be repaired or replaced, and labor is free. After one year from the day of purchase, you pay for the replacement or repair of all parts, and for all labor charges.
All parts, including repaired and replaced parts, are covered only for the original warranty period. When the warranty on the product expires, the warranty on all replaced and repaired parts also expires.

WHAT IS EXCLUDED?

Your warranty does not cover:

• labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
• product repair and/or part replacement because of misuse, accident, unauthorized repair or other cause not within the control of Philips.
• reception problems caused by signal conditions or cable or antenna systems outside the unit.
• a product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
• incidental or consequential damages resulting from the product. (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
• a product that is used for commercial or institutional purposes.

WHERE IS SERVICE AVAILABLE?

Warranty service is available in all countries where the product is officially distributed by Philips. In countries where Philips does not distribute the product, the local Philips service organization will attempt to provide service (although there may be a delay if the appropriate spare parts and technical manual(s) are not readily available).

MAKE SURE YOU KEEP...

Please keep your sales receipt or other document showing proof of purchase. Attach it to this owner's manual and keep both nearby. Also keep the original box and packing material in case you need to return your product.

BEFORE REQUESTING SERVICE...

Please check your owner's manual for assistance. If you have additional questions, call us at 1-800-531-0039.

TO GET WARRANTY SERVICE IN U.S.A., PUERTO RICO, OR U.S. VIRGIN ISLANDS...

Take the product to a Philips factory service center (see enclosed list) or authorized service center for repair. When the product has been repaired, you must pick up the unit at the center. Centers may keep defective parts. (In U.S.A., Puerto Rico, and U.S. Virgin Islands, all implied warranties, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the duration of this express warranty. But, because some states do not allow limitations on how long an implied warranty may last, this limitation may not apply to you.)

TO GET WARRANTY SERVICE IN CANADA...

Please contact Philips at:

1-800-661-6162 (French Speaking)
1-800-531-0039 (English or Spanish Speaking)

(In Canada, this warranty is given in lieu of all other warranties. No other warranties are expressed or implied, including any implied warranties of merchantability or fitness for a particular purpose. Philips is not liable under any circumstances for any direct, indirect, special, incidental or consequential damages, howsoever incurred, even if notified of the possibility of such damages.)

REMEMBER...

Please record below the model and serial numbers found on the product. Also, please fill out and mail your warranty registration card promptly. It will be easier for us to notify you if necessary.

MODEL # _____

SERIAL # _____

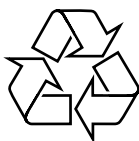**Philips, P.O. Box 520890, Miami, FL 33152, USA, (402) 536-4171**
EL4965E007 / 8-02

MC-320/37-1

PHILIPS CONSUMER ELECTRONICS NORTH COMPANY

Knoxville, Tennessee 37914-1810, U.S.A.

MC-320

CLASS 1
LASER PRODUCT

PHILIPS